

REMARKS:

By the foregoing amendments, Applicants have amended independent claim 4. Thus, claims 4-9 currently are pending and are subject to examination in the above-captioned patent application. No new matter is added by the foregoing amendments, and these amendments are fully supported by the specification. Applicants respectfully request that the Examiner reconsider the above-captioned patent application in view of the foregoing amendments and the following remarks.

In the Office Action mailed July 11, 2005, the Examiner rejected claims 4-9 under 35 U.S.C. § 103(a), as allegedly being rendered obvious by Applicants' Admitted Prior Art ("AAPA") in view of U.S. Patent Publication No. 2001/0048727 to Schmutz et al. ("Schmutz"). To the extent that this rejection remains applicable in view of the foregoing amendments, Applicants respectfully traverse this rejection, as follows.

Applicants have amended independent claim 4 to describe an OFDM receiver comprising "a detector for detecting the level of an OFDM signal; an automatic gain controller for adjusting the level of the OFDM signal in accordance with a signal level detected by the detector; and a controller for determining an actual signal receiving condition in accordance with the signal level detected by the detector, and for setting gain control conditions of the automatic gain controller in accordance with a result of determination of an actual signal receiving condition, wherein the automatic gain controller operates, under a gain control condition set by the controller, to adjust the level of the OFDM signal in accordance with a signal level detected by the detector."

The claimed invention as set forth in independent claim 4 involves a plurality of control methods (modes) which can be selected in view of an actual signal receiving

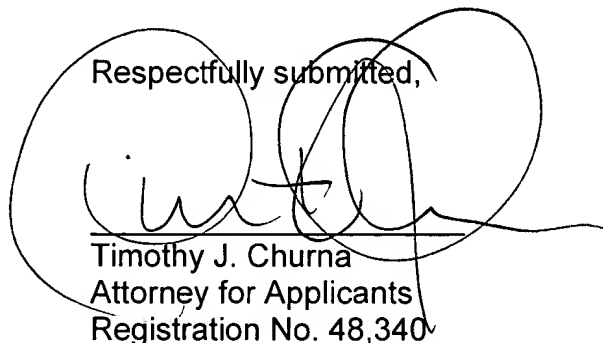
condition (stable or unstable). According to the claimed invention as set forth in independent claim 4, based on an actual reception environment, it is possible to determine whether a current reception condition is stable or is not stable, and to set an appropriate AGC control condition (method or mode) in accordance with the determined reception condition. Upon setting an appropriate AGC control condition (method or mode), other control parameters may be automatically adjusted in response to an actual reception condition through AGC operation. Specifically, with the invention as set forth in independent claim 4, it is possible to individually perform an appropriate gain control suitable for a stable signal receiving condition and also suitable for an unstable signal receiving condition (such as a fading condition), thereby ensuring a quick demodulation suitable for either stable or unstable signal receiving condition.

In contrast to Applicants' invention as set forth in independent claim 4, Schmutz describes an automatic gain control (AGC) that involves **only one predetermined control method** (mode). Therefore, Applicants respectfully request that the Examiner withdraw the obviousness rejection of Applicants' independent claim 4 at least for this reason.

Claims 5-9 depend from allowable, independent claim 4. Therefore, Applicants respectfully request that the Examiner also withdraw the obviousness rejection of claims 5-9 at least for this reason.

CONCLUSION:

Applicants respectfully submit that the above-captioned patent application is in condition for allowance, and such action is earnestly solicited. If the Examiner believes that an in-person or telephonic interview with Applicants' representatives would expedite the prosecution of the above-captioned patent application, the Examiner is invited to contact the undersigned attorney of records. Applicants are enclosing a check in the amount of \$120.00 covering the requisite large entity fee for a one-month extension of time to respond to the outstanding Office Action in the above-captioned patent application. Nevertheless, in the event of any variance between the fees determined by Applicants and those determined by the U.S. Patent and Trademark Office, please charge or credit any such variance to the undersigned's Deposit Account No. 01-2300, referencing Attorney Docket No. 107156-00084.

Respectfully submitted,

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Enclosures: Petition for a One-Month Extension of Time